

WATER-BASED POLYESTER POLYURETHANE RESIN

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Applicant: DAINIPPON INK & CHEMICALS

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Abstract of **JP61036314**

PURPOSE:To provide the titled resin composed of a specific polyester polyol and a polyisocyanate compound, containing a specific amount of pendant carboxyl group in neutralized form, and having excellent adhesivity, water-resistance and blocking resistance. **CONSTITUTION:**The objective resin can be produced by (1) reacting (A) a polyester polyol (preferably having a molecular weight of 1,000-3,000) composed of (i) an acid component composed of an aromatic dicarboxylic acid and an aliphatic or alicyclic dicarboxylic acid at a weight ratio of 70/30-100/0 and (ii) a glycol component with (B) a polyisocyanate compound (e.g. 2,4-tolylene diisocyanate) and if necessary (C) a chain extender (e.g. ethylene glycol) to effect the urethanization, and (2) neutralizing the pendant carboxyl group existing in the product at a concentration of 0.5-6wt% with ammonia or an organic amine. **USE:**Treating agent for textile, synthetic leather, etc. and various other substrate, water-based coating agent, water-based paint, water-based ink, fiber-sizing agent, etc.

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